TENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		see Form PCT/ISA/220		
61057PCT (48497)	ACTION		as, where applicable, item 5 below.		
International application No.	International filing date (day/montl	/year)	(Earliest) Priority Date (day/month/year)		
PCT/US2005/009157	18/03/2005		18/03/2004		
Applicant					
·					
ADVANDX, INC.					
This International Search Report has beer according to Article 18. A copy is being tra			ority and is transmitted to the applicant		
This International Search Report consists	of a total of she	ets.			
X It is also accompanied by	a copy of each prior art document ci	ed in this i	report.		
	nternational search was carried out		is of the international application in the		
The international this Authority (Rul		of a transla	ation of the international application furnished to		
b. X With regard to any nucleo	otide and/or amino acid sequence	disclosed i	in the international application, see Box No. I.		
2. Certain claims were four	nd unsearchable (See Box II).		•		
3. X Unity of invention is lack	king (see Box III).				
4. With regard to the title,					
the text is approved as sul	bmitted by the applicant.		•		
X the text has been establish	ned by this Authority to read as follow	vs:			
METHODS, KITS AND COMPOSITIONS PERTAINING TO NUCLEIC ACID PROBES USING FLUORESCENCE QUENCHING					
5. With regard to the abstract,					
X the text is approved as sul	omitted by the applicant.				
the text has been establish	ned, according to Rule 38.2(b), by th	s Authority	y as it appears in Box No. IV. The applicant		
may, within one month from	m the date of mailing of this internati	onal searci	h report, submit comments to this Authority.		
With regard to the drawings,					
a. the figure of the drawings to be po	a. the figure of the drawings to be published with the abstract is Figure No				
as suggested by the applicant.					
as selected by this	Authority, because the applicant fa	led to sugg	gest a figure.		
	Authority, because this figure bette	character	izes the invention.		
b none of the figures is to be	published with the abstract.				

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

rnational application No.

PCT/US2005/009157

ROX	NO. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sneet)
1.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed nation, the international search was carried out on the basis of:
	a.	type of material X a sequence listing table(s) related to the sequence listing
	b.	format of material X in written format X in computer readable form
	C.	time of filing/furnishing contained in the international application as filed filed together with the international application in computer readable form The furnished subsequently to this Authority for the purpose of search
2.	х	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Additi	ional comments:

remational application No. PCT/US2005/009157

INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:				
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:				
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
see additional sheet				
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.				
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:				
No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-31				
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.				

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-31

A method for analysis of a target sequence, comprising contacting the sample with a probe A labeled with a fluorophore which hybridizes to a terget sequence, and with a probe B labeled with a quencher which hybridizes to a target sequence adjacent to that of probe A.

2. claims: 32-41

An array comprising a probe immobilized to a surface support.

INTEP" ATIONAL SEARCH REPORT

ational Application No
PCT/US2005/009157

	FICATION OF SUBJECT MATTER C12Q1/68		
According to	o International Patent Classification (IPC) or to both national classific	eation and IPC	
	SEARCHED		·
Minimum do C12Q	ocumentation searched (classification system followed by classificati	ion symbols)	
Documentat	ion searched other than minimum documentation to the extent that s	such documents are included in the fields so	earched
EPO-In	ata base consulted during the international search (name of data ba	ise and, where practical, search terms used	1)
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the rel	levant passages	Relevant to daim No.
X		ANSFER AND C PRESS, 98-06-01),	1-31
	ner documents are listed in the continuation of box C.	Patent family members are listed i	n annex.
*Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 'Date of the actual completion of the international search 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the or priority date and not in conflict with the application but cited to understand the principle or theory underlying the or priority date and not in conflict with the application but cited to understand the principle or theory underlying the or priority date and not in conflict with the application but cited to understand the principle or theory underlying the or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family Date of mailing of the international search report		the application but early underlying the claimed invention be considered to curnent is taken alone claimed invention ventive step when the pre other such docuus to a person skilled family	
	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Wimmer, G	

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INTERNATIONAL SEARCH REPORT

ational Application No PCT/US2005/009157

Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
- reguly	owners of occurrent, with indicator, where appropriate, of the relevant passages	nelevant to claim No.
(CARDULLO R A ET AL: "DETECTION OF NUCLEIC ACID HYBRIDIZATION BY NONRADIATIVE FLUORESCENCE RESONANCE ENERGY TRANSFER" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 85, no. 23, 1 December 1988 (1988-12-01), pages 8790-8794, XP000453537 ISSN: 0027-8424 the whole document	1-31
, X	WO 2005/003373 A (PROLIGO, LLC; ARAR, KHALIL) 13 January 2005 (2005-01-13) the whole document	1-31
Α	DEMIDOV V V: "PNA and LNA throw light on DNA" TRENDS IN BIOTECHNOLOGY, ELSEVIER PUBLICATIONS, CAMBRIDGE, GB, vol. 21, no. 1, January 2003 (2003-01), pages 4-7, XP004397629 ISSN: 0167-7799 the whole document	22-25

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INTEF" ATIONAL SEARCH REPORT

Intc. ..ation on patent family members

ational Application No
PCT/US2005/009157

				101/032003/00313/		
cit	Patent document ed in search report	Publication date	Patent family member(s)	,	Publication date	
W	0 2005003373 A	13-01-2005	NONE			